

Engine	Cummins 6LT9.3
Gross Power	162 kW (220 hp) @ 2,200 rpm
Net Power	154 kW (209 hp) @ 2,200 rpm
Operating Weight	21,500 kg
Rated Load	18,000 kg
Standard Breakout Force	220 kN
Maximum Raise Height	3,400 mm

F180

WHEEL LOADER



TOUGH WORLD. TOUGH EQUIPMENT.

F180 SPECIFICATIONS >>>

ENGINE

Emission Regulation	Tier 2 / Stage II
Make	Cummins
Model	6LT9.3
Gross Power	162 kW (220 hp) @ 2,200 rpm
Net Power	154 kW (209 hp) @ 2,200 rpm
Peak Torque	890 N · m
Displacement	9.3 L
Number of Cylinder	6
Aspiration	Turbocharged

TRANSMISSION

Transmission Type	Planetary type, power shift
Torque Converter	Double stage, four elements
Maximum Travel Speed, fwd	39 km/h
Maximum Travel Speed, rev	16.5 km/h
Number of Speed, fwd	2
Number of Speed, Rev	1

AXLES

Differential Front Type	Conventional
Differential Rear Type	Conventional
Axle Oscillation	±11°

STEERING

Steering Configuration	Articulated
Steering Relief Pressure	14 MPa

BRAKES

Service Brake Type	Caliper disc brake
Service Brake Actuation	Air over hydraulic
Parking Brake Type	Flexible shaft control
Parking Brake Actuation	Mechanical

HYDRAULIC SYSTEM

Main Pump Type	Gear
Main Relief Pressure	18 MPa
Raise	5.9 s
Dump Time	1.5 s
Float Down Time	3 s
Fastest Total Cycle Time	10.4 s

LOADER ARM PERFORMANCE

Tipping Load - Straight	12,000 kg
Tipping Load - Full Turn	10,600 kg
Bucket Breakout Force	165 kN
A Maximum Hinge Pin Height	4,030 mm
B Dump Clearance at Full Height Discharge	2,972 mm
C Dump Reach at Full Height Discharge	1,146 mm
D Maximum Digging Depth, Bucket Level	92 mm
S ₁ Bucket Rollback at Ground Level	45°
S ₂ Bucket Rollback at Carry	49°
S ₃ Bucket Rollback at Maximum Height	60.6°
S ₄ Maximum Dump Angle at Full Height	48°

FORK PERFORMANCE

Rated Load	18,000 kg
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DIMENSIONS

E Ground Clearance	472 mm
G Wheelbase	3,250 mm
H Cab Height	3,450 mm
J Wheel Tread	2,150 mm
K Width Over Tires	2,750 mm
L Length with Bucket Down	8,202 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	27°
R ₁ Turning Radius, Bucket Carry	6,796 mm
R ₂ Turning Radius, Outside of Tire	6,103 mm

TIRES

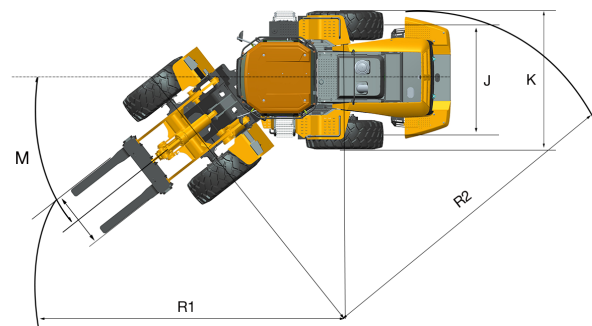
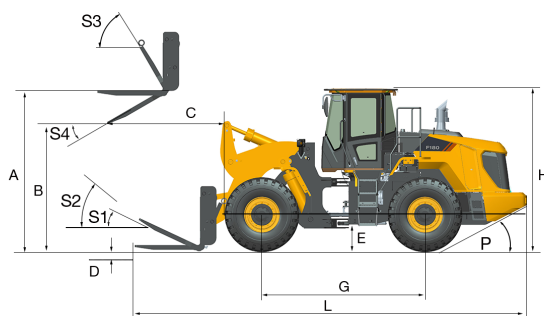
Tire Size	23.5 - 25
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OPERATING WEIGHTS

Operating Weight	16,700 kg
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SERVICE CAPACITY

Fuel Tank	300 L
Engine Oil	22 L
Cooling System	42 L
Hydraulic System	160 L
Transmission and Torque Converter	45 L
Axles, Front / Rear	33 L / 33 L



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Specifications and designs are subject to change without notice. Machines shown may include optional equipment. LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area.

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